Title: Potential Advantages Using of Miecc “Minimally Invasive Extracorporeal Circulation” vs ECMO “Extracorporeal Membrane Oxygenation” as a Procedural Rescue Strategy in Transcatheter Aortic Valve Implantation

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Abstract:

MiECC introduces the concept of volume management reduce the ventricular wall tension with respect ecmo, less consumption of myocardial O2 during complications, and easy management of the procedure. In the literature already the outcomes of using ECMO / MIECC as prophylactic are comparable with conventional TAVR patients, whereas requirement for emergency VA-ECMO was associated with significantly lower procedural success and survival. Using of ECMO could replace CBP used as prophylaxis in high risk patients undergoing TAVR insertion and would be used to stabilize patients in cases of hemodynamic instability with or without ischemic changes, with comparable results to CPB use.